

## Amendments to the Specification

### Page 6, lines 27-to Page 7, line 3:

Either molecular halogen such as chlorine gas, and/or bromine gas and/or iodine can be injected, or a molecular halogen precursor such as calcium hypochlorite can be injected into the flue gas. Molecular halogen precursors such as calcium hypochlorite can be used as a whole or partial source of the alkaline solids desirable for oxidized mercury ~~absorption~~ adsorption, e.g. mercuric halide such as mercuric chloride. Molecular halogen precursors containing calcium are particularly desirable in cases where the fly ash or alkali fused fly ash is intended to be used for cementitious applications e.g. in concrete or blended cements.